



Curriculum Intent: Walking Tall in Mathematics

<u>We will ensure that all children are able to achieve in their education.</u>	<u>We will raise aspirations and maintain an ambitious culture.</u>	<u>We will work in a positive, collaborative way with all stakeholders.</u>
<u>Achievement</u>	<u>Ambition</u>	<u>Collaboration</u>
<p><u>How do we ensure all children are able to achieve in Maths?</u></p> <p>Our curriculum is designed with the goal of all pupils achieving mastery in Mathematics; developing a love of the subject and an ability to connect areas of learning and solve problems. Fluency is a core requirement and we develop this through daily arithmetic sessions and maths meetings. Daily interventions are delivered to help children catch up quickly.</p> <p>Pupils develop conceptual understanding and are able to recall and apply their knowledge rapidly and accurately to problems. We aim to teach maths in a cross-curricular manner as well as discretely to teach the practical application of mathematical skills.</p> <p>We focus on mathematical methods and vocabulary. Mathematical vocabulary is developed throughout the curriculum so that children can more confidently discuss and explain their thoughts and ideas.</p> <p>Using an approach, which involves small steps with varied representations and structures, we build solid foundations from which our pupils can develop their problem-solving and grow as mathematicians.</p>	<p><u>How do we raise aspirations and maintain an ambitious culture in Maths?</u></p> <p>Numeracy is a vital skill in being able to function well in the wider world. We aim to use as much of our mathematical teaching and learning time as possible to promote life skills, making it real wherever possible for all our children. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.</p> <p>A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.</p> <p>Children cover a broad and balanced mathematical curriculum. Teachers reinforce an expectation that all children can achieve high standards in mathematics. Working on difficult problems, not giving up and challenging themselves enables children to be confident, engaged and talk passionately about their learning.</p>	<p><u>How do children work in a positive, collaborative way in Maths?</u></p> <p>Our daily maths meetings encourage rich mathematical discussion using 'Talk 4 Maths' where every contribution is valued, and pupils feel comfortable to contribute at their own level of understanding. Our school has a supportive ethos and our approaches support the children in developing their collaborative and independent skills, as well as empathy and the need to recognise the achievement of others.</p> <p>We address these preconceptions by ensuring that all children experience challenge and success in Mathematics by developing a growth mindset. We provide high ceiling / low threshold activities where pupils work in groups and can support and learn from each other. Lower ability pupils hear the more able using the higher-level vocabulary which can aid their own understanding allows for a high level of engagement.</p> <p>Mathematics is taught in mixed ability groups that focus on collaboration. Pupils who grasp concepts rapidly are challenged to dig deeper. Our use of Maths Buddies supports understanding and social skills.</p>